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[54] Title: A conjunction structure of bicycle tube with joints of components

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[71] Applicant: Qiaoda industrial Co., Ltd., Taiwan

[74] Agent: Lin Yizhu

[57] Claim:

An interconnecting structure of a bicycle tube with joints of other components by which a bicycle frame is constructed with the bicycle tube and other components, e.g. head tube, bottom bracket, seat post and rear fork, characterized in that the interconnecting structure is wrapped with a coat, a supporter is set outside the coat, and the entirety is wrapped by a further coat while connectors constructed by cladding a supporter with a coat are provided inside the bicycle tube and the components, wherein said coat is formed by winding carbon fiber reinforced thermosetting resin plate, said supporter is made of a foaming material, and the structure is fabricated by integrally molding at a high pressure and a high temperature.

Brief description of drawings:

Fig. 1 is a plain view of the bicycle frame of the present invention.

Fig. 2 is a sectional view of the bottom bracket of the present invention.

Fig. 3 is an illustration of processing the bottom bracket of the present invention.

Fig. 4 is a processing procedure of the present invention.

Fig. 5 is an illustration showing conjunction of the head tube with the bicycle tube.

Fig. 6 is an illustration of a conventional bicycle frame.

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(54)名 荷:自行車單管與構件接頭接合之結構

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(72)創

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[57] 申請專利範閱:

一種自行車車管與橫件接頭接合之結 構,其車架係以車管與前車管、五通管、 座墊單管及後叉等構件接合而成,而共符 徵係於:車管與各構件之接頭內部設連接 體,連接體以覆層包質於撐持體外部,而 車管與接頭之外部繼續覆屬後,再於潤層 外部設撐持體,最後再緩以覆層,其中。 覆層條以碳纖維沒熱固性樹脂片狀體經統 而成,而撑持體則以發泡材料製成,最後 再將堅體置入鍵具內加壓加熱成型---體之 結構者。

圖示簡單說明:

第一圖:係本創作之軍架平面示意圖。

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第二圖:係本創作之五通管局部剖面示

声圖。

第三圖:係本創作之五通管局部施工示

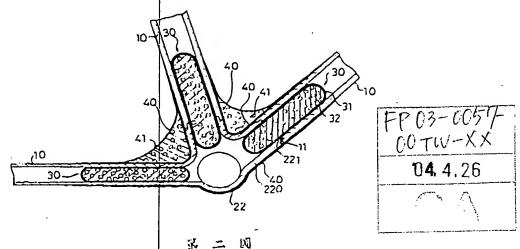
产圖。

第四圖:係本創作之製作流程示意圖。

邓五圃:係本創作之前車管與車管連接

不适圖。

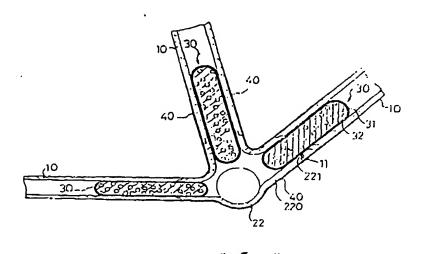
第六圖:係習用車架之示意圖。

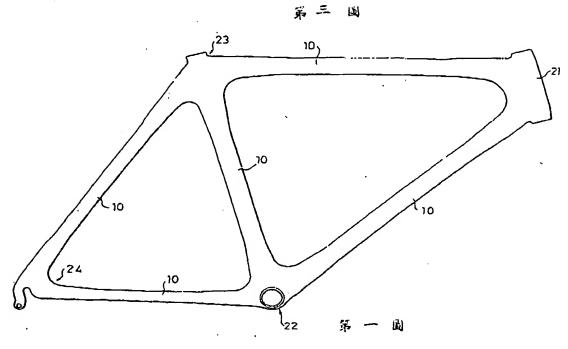


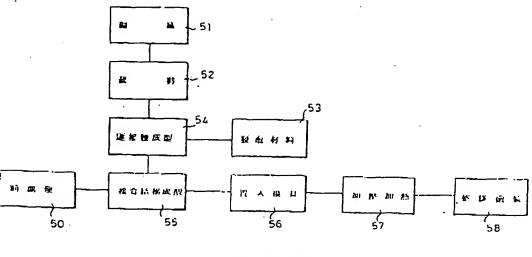
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